

10069254\_CLS  
Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10069254 on November 12, 2004

Original Classifications

4	370/389
4	370/396
3	370/217
3	370/359
3	375/369
3	455/558
2	246/187C
2	340/825.52
2	342/175
2	343/715
2	361/816
2	370/216
2	370/219
2	370/360
2	370/419
2	370/438
2	370/449
2	370/452
2	370/540
2	379/442
2	380/257
2	455/552.1
2	702/122
2	709/217
2	710/100
2	710/110
2	710/315
2	714/4

Cross-Reference Classifications

6	340/825.5
5	370/465
4	370/535
4	379/442
4	379/93.09
4	700/9
3	174/35R
3	370/228
3	370/241
3	370/328
3	370/360
3	370/377
3	370/384

3 370/438  
3 370/463  
3 370/467  
3 370/501  
3 380/243  
3 385/24  
3 398/1  
3 398/164  
3 455/411  
3 700/83  
3 705/53  
3 709/220  
3 709/229  
3 709/250  
3 725/131  
2 235/382  
2 244/158R  
2 307/147  
2 333/24C  
2 340/2.1  
2 340/2.2  
2 340/2.4  
2 340/3.51  
2 340/539.1  
2 340/825.36  
2 340/870.03  
2 342/372  
2 343/713  
2 370/216  
2 370/222  
2 370/258  
2 370/336  
2 370/337  
2 370/345  
2 370/349  
2 370/364  
2 370/389  
2 370/394  
2 370/395.61  
2 370/396  
2 370/397  
2 370/400  
2 370/401  
2 370/407  
2 370/428  
2 370/432  
2 370/449  
2 370/452

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2 370/458  
2 370/462  
2 370/498  
2 370/524  
2 372/50  
2 375/219  
2 375/222  
2 379/230  
2 379/88.13  
2 380/257  
2 380/283  
2 380/41  
2 385/134  
2 385/17  
2 385/88  
2 398/135  
2 398/136  
2 455/423  
2 455/450  
2 455/552.1  
2 455/553.1  
2 455/558  
2 455/8  
2 700/18  
2 700/82  
2 702/91  
2 707/100  
2 707/9  
2 709/209  
2 709/219  
2 709/238  
2 709/239  
2 710/104  
2 710/52  
2 710/7  
2 713/153  
2 714/4  
2 719/313

Combined Classifications

6 340/825.5  
6 370/389  
6 370/396  
6 370/465  
6 379/442  
5 370/360  
5 370/438  
5 370/535

5 455/558  
5 700/9  
4 370/216  
4 370/241  
4 370/359  
4 370/449  
4 370/452  
4 370/463  
4 379/93.09  
4 380/257  
4 385/24  
4 398/164  
4 455/552.1  
4 709/250  
4 714/4  
3 174/35R  
3 340/825.52  
3 370/217  
3 370/228  
3 370/328  
3 370/377  
3 370/384  
3 370/394  
3 370/400  
3 370/401  
3 370/462  
3 370/467  
3 370/498  
3 370/501  
3 375/219  
3 375/222  
3 375/369  
3 379/230  
3 380/243  
3 385/88  
3 398/1  
3 455/411  
3 700/83  
3 705/53  
3 709/217  
3 709/220  
3 709/229  
3 709/238  
3 709/239  
3 710/100  
3 710/52  
3 713/153  
3 719/313

3 725/131  
2 178/3  
2 235/382  
2 244/158R  
2 246/187C  
2 307/117  
2 307/147  
2 333/24C  
2 340/2.1  
2 340/2.2  
2 340/2.4  
2 340/3.51  
2 340/539.1  
2 340/825.01  
2 340/825.36  
2 340/870.02  
2 340/870.03  
2 340/870.11  
2 342/175  
2 342/372  
2 343/713  
2 343/715  
2 361/785  
2 361/816  
2 361/818  
2 370/219  
2 370/221  
2 370/222  
2 370/254  
2 370/258  
2 370/270  
2 370/315  
2 370/336  
2 370/337  
2 370/341  
2 370/345  
2 370/349  
2 370/350  
2 370/353  
2 370/362  
2 370/364  
2 370/395.53  
2 370/395.61  
2 370/397  
2 370/402  
2 370/407  
2 370/408  
2 370/419

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2 370/421  
2 370/428  
2 370/432  
2 370/445  
2 370/450  
2 370/458  
2 370/461  
2 370/466  
2 370/524  
2 370/540  
2 372/50  
2 375/223  
2 379/165  
2 379/211.02  
2 379/88.13  
2 379/93.05  
2 380/266  
2 380/283  
2 380/41  
2 385/134  
2 385/135  
2 385/14  
2 385/17  
2 398/135  
2 398/136  
2 398/139  
2 455/11.1  
2 455/423  
2 455/450  
2 455/466  
2 455/517  
2 455/553.1  
2 455/8  
2 700/18  
2 700/2  
2 700/3  
2 700/82  
2 701/48  
2 702/122  
2 702/91  
2 705/57  
2 705/80  
2 707/100  
2 707/9  
2 709/209  
2 709/218  
2 709/219  
2 709/231

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2 709/236  
2 709/249  
2 710/104  
2 710/110  
2 710/315  
2 710/7  
2 713/201  
2 713/300  
2 716/12  
2 719/321  
2 719/328  
2 725/110

Titles of Most Frequently Occurring Classifications of Patents Returned

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31  370/338      (9 OR, 22 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/310    COMMUNICATION OVER FREE SPACE
      370/328    .Having a plurality of contiguous regions
                  served by respective fixed stations
      370/338    ..Contiguous regions interconnected by a local
                  area network

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19 370/342      (6 OR, 13 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/310    COMMUNICATION OVER FREE SPACE
      370/342    .Combining or distributing information via cod
e
                        word channels using multiple access techniq
ues (e.g., CDMA)

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13 370/337      (2 OR, 11 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
370/310      COMMUNICATION OVER FREE SPACE
370/328      .Having a plurality of contiguous regions
              served by respective fixed stations
370/329      ..Channel assignment
370/336      ...Combining or distributing information via
              time channels
370/337      ....Multiple access (e.g., TDMA)

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12  370/347      (5 OR, 7 XR)
      Class 370 : MULTIPLEX COMMUNICATIONS
      370/310      COMMUNICATION OVER FREE SPACE
      370/345      .Combining or distributing information via tim

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channels

370/347 ..Multiple access (e.g., TDMA)

10 370/252 (6 OR, 4 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/241 DIAGNOSTIC TESTING (OTHER THAN SYNCHRONIZATION

)

370/252 .Determination of communication parameters

10 370/331 (6 OR, 4 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/310 COMMUNICATION OVER FREE SPACE

370/328 .Having a plurality of contiguous regions  
served by respective fixed stations

370/329 ..Channel assignment

370/331 ...Hand-off control

10 455/422.1 (3 OR, 7 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

10 455/426.1 (3 OR, 7 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/426.1 ..Including other radio communication system  
(e.g., cordless telephone, paging, trunking

, etc.)

10 455/436 (3 OR, 7 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/436 ..Handoff

10 455/450 (3 OR, 7 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/450 ..Channel allocation

9 342/457 (5 OR, 4 XR)

Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/350 DIRECTIVE

342/450 .Position indicating (e.g., triangulation)

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342/457 ..Land vehicle location (e.g., bus, police car

9 370/349 (4 OR, 5 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/345 .Combining or distributing information via tim  
 e  
 channels  
 370/349 ..Using messages having an address field as  
 header

9 455/522 (1 OR, 8 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
 455/500 .Plural transmitters or receivers (i.e., more  
 than two stations)  
 455/507 ..Central station (e.g., master, etc.)  
 455/517 ...To or from mobile station  
 455/522 ....Transmission power control technique

8 370/332 (5 OR, 3 XR)  
 Class 370 : MULTIPLEX COMMUNICATIONS  
 370/310 COMMUNICATION OVER FREE SPACE  
 370/328 .Having a plurality of contiguous regions  
 served by respective fixed stations  
 370/329 ..Channel assignment  
 370/331 ...Hand-off control  
 370/332 ....Based upon a particular signal quality  
 measurement

8 455/434 (3 OR, 5 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/434 ..Control or access channel scanning

8 455/517 (2 OR, 6 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
 455/500 .Plural transmitters or receivers (i.e., more  
 than two stations)  
 455/507 ..Central station (e.g., master, etc.)  
 455/517 ...To or from mobile station

8 455/69 (3 OR, 5 XR)

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Class 455 : TELECOMMUNICATIONS  
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/68 .With control signal  
455/69 ..Transmitter controlled by signal feedback  
from receiver

7 370/311 (3 OR, 4 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/311 .Signaling for performing battery saving

7 455/432.1 (2 OR, 5 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/432.1 ..Roaming

7 455/524 (0 OR, 7 XR)  
Class 455 : TELECOMMUNICATIONS  
455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/500 .Plural transmitters or receivers (i.e., more  
than two stations)  
455/507 ..Central station (e.g., master, etc.)  
455/517 ...To or from mobile station  
455/524 ....Multiple base stations

6 342/463 (1 OR, 5 XR)  
Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES  
342/350 DIRECTIVE  
342/450 .Position indicating (e.g., triangulation)  
342/463 ..Having plural transmitters or receivers

6 370/312 (4 OR, 2 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/312 .Message addressed to multiple destinations

6 370/328 (2 OR, 4 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/310 COMMUNICATION OVER FREE SPACE  
370/328 .Having a plurality of contiguous regions  
served by respective fixed stations

6 370/329 (5 OR, 1 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS

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370/310	COMMUNICATION OVER FREE SPACE
370/328	.Having a plurality of contiguous regions served by respective fixed stations
370/329	..Channel assignment
6 370/330	(3 OR, 3 XR)
Class 370 :	MULTIPLEX COMMUNICATIONS
370/310	COMMUNICATION OVER FREE SPACE
370/328	.Having a plurality of contiguous regions served by respective fixed stations
370/329	..Channel assignment
370/330	...Having both time and frequency assignment
6 370/343	(0 OR, 6 XR)
Class 370 :	MULTIPLEX COMMUNICATIONS
370/310	COMMUNICATION OVER FREE SPACE
370/343	.Combining or distributing information via frequency channels
6 370/397	(1 OR, 5 XR)
Class 370 :	MULTIPLEX COMMUNICATIONS
370/351	PATHFINDING OR ROUTING
370/389	.Switching a message which includes an address header
370/395.1	..Message transmitted using fixed length packets (e.g., ATM cells)
370/396	...Distributed switching
370/397	....Employing logical addressing for routing (e.g., VP or VC)
6 455/411	(2 OR, 4 XR)
Class 455 :	TELECOMMUNICATIONS
455/403	RADIOTELEPHONE SYSTEM
455/410	.Security or fraud prevention
455/411	..Privacy, lock-out, or authentication
6 455/446	(2 OR, 4 XR)
Class 455 :	TELECOMMUNICATIONS
455/403	RADIOTELEPHONE SYSTEM
455/422.1	.Zoned or cellular telephone system
455/446	..Including cell planning or layout
6 455/574	(3 OR, 3 XR)
Class 455 :	TELECOMMUNICATIONS
455/73	TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
	TRANSCEIVER)
455/550.1	.Radiotelephone equipment detail

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455/572           ..Power supply  
455/574           ...Power conservation

6 455/67.11       (1 OR, 5 XR)  
Class 455 : TELECOMMUNICATIONS  
455/39           TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11       .Having measuring, testing, or monitoring of  
                  system or part

5 340/870.03      (2 OR, 3 XR)  
Class 340 : COMMUNICATIONS: ELECTRICAL  
340/870.01       CONTINUOUSLY VARIABLE INDICATING (E.G.,  
                  TELEMETERING)  
340/870.02       .With meter reading  
340/870.03       ..Having plural transmitters

5 370/280         (2 OR, 3 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/276          DUPLEX  
370/277          .Communication over free space  
370/280          ..Time division

5 370/401         (1 OR, 4 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/351          PATHFINDING OR ROUTING  
370/389          .Switching a message which includes an address  
                  header  
370/400          ..Having a plurality of nodes performing  
                  distributed switching  
370/401          ...Bridge or gateway between networks

5 370/468         (2 OR, 3 XR)  
Class 370 : MULTIPLEX COMMUNICATIONS  
370/464          COMMUNICATION TECHNIQUES FOR INFORMATION  
                  CARRIED IN PLURAL CHANNELS  
370/465          .Adaptive  
370/468          ..Assignment of variable bandwidth or time  
                  period for transmission or reception

5 375/141         (0 OR, 5 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
375/130          SPREAD SPECTRUM  
375/140          .Direct sequence  
375/141          ..End-to-end transmission system

5 375/222         (4 OR, 1 XR)  
Class 375 : PULSE OR DIGITAL COMMUNICATIONS

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375/219 TRANSCEIVERS  
 375/222 .Modems (data sets)

5 375/347 (1 OR, 4 XR)  
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
 375/316 RECEIVERS  
 375/346 .Interference or noise reduction  
 375/347 ..Diversity (frequency or time)

5 380/270 (1 OR, 4 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY  
 380/270 .Wireless communication

5 455/343.4 (0 OR, 5 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
 CONVERTER  
 455/334 .With particular receiver circuit  
 455/343.1 ..Having particular power or bias supply  
 (including self-powered or battery saving  
 means)  
 455/343.2 ...Battery saving based on received signal  
 455/343.4 ....Based on schedule information

5 455/402 (1 OR, 4 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/400 HAVING SINGLE-CHANNEL TELEPHONE CARRIER  
 455/402 .Over power line

5 455/445 (2 OR, 3 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/403 RADIOTELEPHONE SYSTEM  
 455/422.1 .Zoned or cellular telephone system  
 455/445 ..Call routing (e.g., to prevent backhaul,  
 routing efficiency, least cost, or alternat  
 e routing)

5 455/552.1 (1 OR, 4 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
 TRANSCEIVER)  
 455/550.1 .Radiotelephone equipment detail  
 455/552.1 ..Operable on more than one system

5 455/560 (1 OR, 4 XR)  
 Class 455 : TELECOMMUNICATIONS

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455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/560 ..Switching unit detail (e.g., mobile telephon  
switching office (MTSO), base station contr  
oller (BSC),  
etc.)

5 455/561 (1 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/561 ..Base station detail

5 455/62 (2 OR, 3 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/62 .Optimum frequency selection

5 455/63.1 (0 OR, 5 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/63.1 .Distortion, noise, or other interference  
prevention, reduction, or compensation

5 455/67.13 (0 OR, 5 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11 .Having measuring, testing, or monitoring of  
system or part

455/67.13 ..Noise, distortion, or unwanted signal  
detection (e.g., quality control, etc.)

4 340/7.38 (1 OR, 3 XR)

Class 340 : COMMUNICATIONS: ELECTRICAL

340/825 SELECTIVE

340/825.36 .Having indication or alarm (e.g., location  
indication)

340/7.2 ..Code responsive (i.e., paging)

340/7.32 ...Power control or battery saving

340/7.38 ....Time based

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4  370/314      (1 OR, 3 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/310   COMMUNICATION OVER FREE SPACE
    370/313   .Portable address responsive receiver
    370/314   ..Using time division multiplexing

4  370/320      (2 OR, 2 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/310   COMMUNICATION OVER FREE SPACE
    370/315   .Repeater
    370/316   ..Airborne or space satellite repeater
    370/319   ...Multiple access (e.g., FDMA)
    370/320   ....Code division (CDMA)

4  370/350      (0 OR, 4 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/310   COMMUNICATION OVER FREE SPACE
    370/345   .Combining or distributing information via tim
e
                channels
    370/350   ..Synchronization

4  370/441      (2 OR, 2 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/431   CHANNEL ASSIGNMENT TECHNIQUES
    370/441   .Combining or distributing information via cod
e
                word channels using multiple access techniq
ues (e.g., CDMA)

4  370/442      (1 OR, 3 XR)
    Class 370 : MULTIPLEX COMMUNICATIONS
    370/431   CHANNEL ASSIGNMENT TECHNIQUES
    370/442   .Combining or distributing information via tim
e
                channels using multiple access technique (e
.g., TDMA)

4  375/133      (3 OR, 1 XR)
    Class 375 : PULSE OR DIGITAL COMMUNICATIONS
    375/130   SPREAD SPECTRUM
    375/132   .Frequency hopping
    375/133   ..End-to-end transmission system

4  375/149      (1 OR, 3 XR)
    Class 375 : PULSE OR DIGITAL COMMUNICATIONS

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375/130 SPREAD SPECTRUM

375/140 .Direct sequence

375/147 ..Receiver

375/149 ...Having specific code synchronization

4 375/219 (1 OR, 3 XR)

Class 375 : PULSE OR DIGITAL COMMUNICATIONS

375/219 TRANSCEIVERS

4 455/11.1 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E.,  
RETRANSMISSION OF SAME INFORMATION)

455/11.1 .Portable or mobile repeater

4 455/276.1 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY  
CONVERTER

455/269 .With wave collector (e.g., antenna)

455/272 ..Plural separate collectors

455/276.1 ...With phase shifting, correcting, or  
regulating in the output path of one or mor  
e collectors

4 455/432.2 (3 OR, 1 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/432.1 ..Roaming

455/432.2 ...System format conversion

4 455/433 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/432.1 ..Roaming

455/433 ...Home location registration (HLR) or visitor  
location registration (VLR) detail

4 455/437 (0 OR, 4 XR)

Class 455 : TELECOMMUNICATIONS

455/403 RADIOTELEPHONE SYSTEM

455/422.1 .Zoned or cellular telephone system

455/436 ..Handoff

455/437 ...Mobile assisted or initiated

4 455/452.1 (2 OR, 2 XR)

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Class	455	:	TELECOMMUNICATIONS
455/403			RADIOTELEPHONE SYSTEM
455/422.1			.Zoned or cellular telephone system
455/450			..Channel allocation
455/452.1			...Dynamic allocation

  

4	455/525		(1 OR, 3 XR)	
	Class	455	:	TELECOMMUNICATIONS
	455/39			TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
	455/500			.Plural transmitters or receivers (i.e., more than two stations)
	455/507			..Central station (e.g., master, etc.)
	455/517			...To or from mobile station
	455/524			....Multiple base stations
	455/525			.....Base station selection

  

4	455/562.1		(0 OR, 4 XR)	
	Class	455	:	TELECOMMUNICATIONS
	455/73			TRANSMITTER AND RECEIVER AT SAME STATION (E.G.
				TRANSCEIVER)
	455/550.1			.Radiotelephone equipment detail
	455/561			..Base station detail
	455/562.1			...Having specific antenna arrangement

  

3	340/310.01		(2 OR, 1 XR)	
	Class	340	:	COMMUNICATIONS: ELECTRICAL
	340/286.01			SYSTEMS
	340/310.01			.Signal over power line

  

3	340/7.34		(1 OR, 2 XR)	
	Class	340	:	COMMUNICATIONS: ELECTRICAL
	340/825			SELECTIVE
	340/825.36			.Having indication or alarm (e.g., location indication)
	340/7.2			..Code responsive (i.e., paging)
	340/7.32			...Power control or battery saving
	340/7.33			....Based on received signal
	340/7.34			.....Frame based timing

  

3	340/825.49		(0 OR, 3 XR)	
	Class	340	:	COMMUNICATIONS: ELECTRICAL
	340/825			SELECTIVE
	340/825.36			.Having indication or alarm (e.g., location indication)
	340/825.49			..Location indication

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- 3 340/825.52 (1 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/825 SELECTIVE
  - 340/825.52 .Addressing
- 3 340/825.69 (1 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/825 SELECTIVE
  - 340/825.57 .Pulse responsive actuation
  - 340/825.62 ..Serial
  - 340/825.69 ...Radio link
- 3 340/825.72 (1 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/825 SELECTIVE
  - 340/825.71 .Frequency responsive actuation
  - 340/825.72 ..Wireless link
- 3 370/278 (2 OR, 1 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/276 DUPLEX
  - 370/277 .Communication over free space
  - 370/278 ..Transmit/receive interaction control
- 3 370/281 (1 OR, 2 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/276 DUPLEX
  - 370/277 .Communication over free space
  - 370/281 ..Frequency division
- 3 370/389 (1 OR, 2 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/351 PATHFINDING OR ROUTING
  - 370/389 .Switching a message which includes an address header
- 3 370/404 (1 OR, 2 XR)
  - Class 370 : MULTIPLEX COMMUNICATIONS
  - 370/351 PATHFINDING OR ROUTING
  - 370/389 .Switching a message which includes an address header
  - 370/400 ..Having a plurality of nodes performing distributed switching
  - 370/401 ...Bridge or gateway between networks
  - 370/402 ....Bridge between bus systems
  - 370/403 .....At least one bus is a ring network
  - 370/404 .....Ring or loop forms backbone for interconnecting other networks

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- 3 370/408 (0 OR, 3 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/351 PATHFINDING OR ROUTING  
     370/389 .Switching a message which includes an address header  
     370/400 ..Having a plurality of nodes performing distributed switching  
     370/408 ...Nodes interconnected in hierarchy to form a tree
- 3 370/445 (2 OR, 1 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/431 CHANNEL ASSIGNMENT TECHNIQUES  
     370/445 .Carrier sense multiple access (CSMA)
- 3 375/130 (2 OR, 1 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/130 SPREAD SPECTRUM
- 3 375/134 (3 OR, 0 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/130 SPREAD SPECTRUM  
     375/132 .Frequency hopping  
     375/133 ..End-to-end transmission system  
     375/134 ...Having specific code acquisition or trackin
- g
- 3 375/140 (0 OR, 3 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/130 SPREAD SPECTRUM  
     375/140 .Direct sequence
- 3 375/144 (0 OR, 3 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/130 SPREAD SPECTRUM  
     375/140 .Direct sequence  
     375/141 ..End-to-end transmission system  
     375/144 ...Having multi-receiver or interference cancellation
- 3 375/146 (0 OR, 3 XR)  
     Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
     375/130 SPREAD SPECTRUM  
     375/140 .Direct sequence  
     375/146 ..Transmitter

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- 3 375/297 (2 OR, 1 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/295 TRANSMITTERS
  - 375/296 .Antinoise or distortion (includes predistortion)
  - 375/297 ..Power amplifier
- 3 375/346 (0 OR, 3 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/316 RECEIVERS
  - 375/346 .Interference or noise reduction
- 3 379/221.01 (1 OR, 2 XR)
  - Class 379 : TELEPHONIC COMMUNICATIONS
  - 379/219 PLURAL EXCHANGE NETWORK OR INTERCONNECTION
  - 379/220.01 .With interexchange network routing
  - 379/221.01 ..Alternate routing
- 3 380/34 (0 OR, 3 XR)
  - Class 380 : CRYPTOGRAPHY
  - 380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY
  - 380/270 .Wireless communication
  - 380/33 ..Using plural paths or channels
  - 380/34 ...Plural carrier frequencies
- 3 455/103 (2 OR, 1 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/91 TRANSMITTER
  - 455/103 .Plural separate transmitters or channels
- 3 455/278.1 (1 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
  - 455/269 .With wave collector (e.g., antenna)
  - 455/272 ..Plural separate collectors
  - 455/278.1 ...Combined with noise or interference elimination
- 3 455/296 (1 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
  - 455/296 .Noise or interference elimination
- 3 455/343.2 (0 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY

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## CONVERTER

- 455/334 .With particular receiver circuit
- 455/343.1 ..Having particular power or bias supply  
(including self-powered or battery saving means)
- 455/343.2 ...Battery saving based on received signal
- 3 455/403 (0 OR, 3 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM
- 3 455/435.1 (0 OR, 3 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/435.1 ..Registration
- 3 455/442 (2 OR, 1 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/436 ..Handoff  
455/442 ...Soft handoff
- 3 455/452.2 (1 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/450 ...Channel allocation  
455/452.1 ...Dynamic allocation  
455/452.2 ....Based on service quality (e.g., bandwidth, etc.)
- 3 455/454 (0 OR, 3 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/422.1 .Zoned or cellular telephone system  
455/450 ...Channel allocation  
455/454 ...Spectrum sharing for different type of system (e.g., point-to-point microwave, television, etc.)
- 3 455/461 (1 OR, 2 XR)  
Class 455 : TELECOMMUNICATIONS  
455/403 RADIOTELEPHONE SYSTEM  
455/461 .Including personal numbering system (i.e., intelligent network for subscriber tracking

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or follow-me

subscriber feature)

- 3 455/462 (2 OR, 1 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/462 .Including private cordless extension system
  
- 3 455/502 (1 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
  - 455/500 .Plural transmitters or receivers (i.e., more than two stations)
  - 455/501 ..Noise, distortion, or singing reduction
  - 455/502 ...Synchronized stations
  
- 3 455/509 (1 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
  - 455/500 .Plural transmitters or receivers (i.e., more than two stations)
  - 455/507 ..Central station (e.g., master, etc.)
  - 455/509 ...Channel allocation
  
- 3 455/515 (0 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
  - 455/500 .Plural transmitters or receivers (i.e., more than two stations)
  - 455/507 ..Central station (e.g., master, etc.)
  - 455/515 ...Control channel monitoring (i.e., paging or access channel signaling) for system access
  
- 3 455/553.1 (0 OR, 3 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G. TRANSCEIVER)
  - 455/550.1 .Radiotelephone equipment detail
  - 455/552.1 ..Operable on more than one system
  - 455/553.1 ...Radiotelephone having plural transceivers (e.g., for analog and digital, trunking and cellular, etc.)

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- 3 455/557 (1 OR, 2 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
 TRANSCEIVER)  
 455/550.1 .Radiotelephone equipment detail  
 455/557 ..Interface attached device (e.g., interface  
 with modem, facsimile, computer, etc.)
- 3 455/70 (0 OR, 3 XR)  
 Class 455 : TELECOMMUNICATIONS  
 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS  
 455/68 .With control signal  
 455/70 ..Receiver control signal originates at messag  
 e transmitter
- 3 713/194 (1 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: SUPPORT  
 713/189 DATA PROCESSING PROTECTION USING CRYPTOGRAPHY  
 713/194 .Tamper resistant
- 2 141/231 (1 OR, 1 XR)  
 Class 141 : FLUENT MATERIAL HANDLING, WITH RECEIVER OR  
 RECEIVER COACTING MEANS  
 141/231 PORTABLE SYSTEMS OR TRACK MOUNTED SUPPLY MEANS
- 2 141/94 (0 OR, 2 XR)  
 Class 141 : FLUENT MATERIAL HANDLING, WITH RECEIVER OR  
 RECEIVER COACTING MEANS  
 141/94 WITH SIGNAL, INDICATOR, RECORDER, INSPECTION  
 MEANS OR EXHIBITOR
- 2 141/98 (0 OR, 2 XR)  
 Class 141 : FLUENT MATERIAL HANDLING, WITH RECEIVER OR  
 RECEIVER COACTING MEANS  
 141/98 COMBINED
- 2 340/310.02 (0 OR, 2 XR)  
 Class 340 : COMMUNICATIONS: ELECTRICAL  
 340/286.01 SYSTEMS  
 340/310.01 .Signal over power line  
 340/310.02 ..Modulation technique



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- 2 340/310.06 (0 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/286.01 SYSTEMS
  - 340/310.01 .Signal over power line
  - 340/310.06 ..Bidirectional (e.g., with transceiver)
- 2 340/310.08 (0 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/286.01 SYSTEMS
  - 340/310.01 .Signal over power line
  - 340/310.08 ..With coupling plug
- 2 340/505 (0 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/500 CONDITION RESPONSIVE INDICATING SYSTEM
  - 340/501 .With particular system function (e.g., temperature compensation, calibration)
  - 340/505 ..Interrogator-responder
- 2 340/7.21 (0 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/825 SELECTIVE
  - 340/825.36 .Having indication or alarm (e.g., location indication)
  - 340/7.2 ..Code responsive (i.e., paging)
  - 340/7.21 ...Two-way paging
- 2 340/7.32 (0 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/825 SELECTIVE
  - 340/825.36 .Having indication or alarm (e.g., location indication)
  - 340/7.2 ..Code responsive (i.e., paging)
  - 340/7.32 ...Power control or battery saving
- 2 340/7.35 (0 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL
  - 340/825 SELECTIVE
  - 340/825.36 .Having indication or alarm (e.g., location indication)
  - 340/7.2 ..Code responsive (i.e., paging)
  - 340/7.32 ...Power control or battery saving
  - 340/7.33 ....Based on received signal
  - 340/7.35 .....Address based
- 2 340/7.63 (0 OR, 2 XR)
  - Class 340 : COMMUNICATIONS: ELECTRICAL

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340/825           SELECTIVE  
 340/825.36       .Having indication or alarm (e.g., location  
                   indication)  
 340/7.2          ..Code responsive (i.e., paging)  
 340/7.63         ...Housing detail

2   340/870.02     (0 OR, 2 XR)

Class   340 :   COMMUNICATIONS:   ELECTRICAL  
 340/870.01     CONTINUOUSLY VARIABLE INDICATING (E.G.,  
                   TELEMETERING)  
 340/870.02     .With meter reading

2   340/870.11     (0 OR, 2 XR)

Class   340 :   COMMUNICATIONS:   ELECTRICAL  
 340/870.01     CONTINUOUSLY VARIABLE INDICATING (E.G.,  
                   TELEMETERING)  
 340/870.11     .Plural transmitters

2   342/174         (1 OR, 1 XR)

Class   342 :   COMMUNICATIONS:   DIRECTIVE RADIO WAVE SYSTEMS  
                   AND DEVICES  
 342/165         TESTING OR CALIBRATING OF RADAR SYSTEM  
 342/173         .By monitoring  
 342/174         ..Calibrating

2   342/357.1       (2 OR, 0 XR)

Class   342 :   COMMUNICATIONS:   DIRECTIVE RADIO WAVE SYSTEMS  
                   AND DEVICES  
 342/350         DIRECTIVE  
 342/352         .Including a satellite  
 342/357.01      ..With position indicating  
 342/357.06      ...Using Global Positioning Satellite (GPS or  
                   Glonass)  
 342/357.1       ....Combined with telecommunication

2   342/359         (1 OR, 1 XR)

Class   342 :   COMMUNICATIONS:   DIRECTIVE RADIO WAVE SYSTEMS  
                   AND DEVICES  
 342/350         DIRECTIVE  
 342/359         .Including antenna orientation

2   342/368         (1 OR, 1 XR)

Class   342 :   COMMUNICATIONS:   DIRECTIVE RADIO WAVE SYSTEMS  
                   AND DEVICES  
 342/350         DIRECTIVE  
 342/368         .Including a steerable array

2   342/464         (0 OR, 2 XR)

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Class 342 : COMMUNICATIONS: DIRECTIVE RADIO WAVE SYSTEMS  
AND DEVICES

342/350 DIRECTIVE

342/450 .Position indicating (e.g., triangulation)

342/463 ..Having plural transmitters or receivers

342/464 ...Plural transmitters only

2 343/702 (1 OR, 1 XR)

Class 343 : COMMUNICATIONS: RADIO WAVE ANTENNAS

343/700R ANTENNAS

343/702 .With radio cabinet

2 361/686 (0 OR, 2 XR)

Class 361 : ELECTRICITY: ELECTRICAL SYSTEMS AND DEVICES

361/600 HOUSING OR MOUNTING ASSEMBLIES WITH DIVERSE  
ELECTRICAL COMPONENTS

361/679 .For electronic systems and devices

361/683 ..Computer related support

361/686 ...Input/output device support

2 370/203 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/203 GENERALIZED ORTHOGONAL OR SPECIAL MATHEMATICAL  
TECHNIQUES

2 370/256 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/254 NETWORK CONFIGURATION DETERMINATION

370/255 .Using a particular learning algorithm or  
technique

370/256 ..Spanning tree

2 370/276 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/276 DUPLEX

2 370/277 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/276 DUPLEX

370/277 .Communication over free space

2 370/285 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/276 DUPLEX

370/282 .Transmit/receive interaction control

370/285 ..Bridge

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- 2 370/310 (2 OR, 0 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE
- 2 370/313 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/313 .Portable address responsive receiver
- 2 370/315 (2 OR, 0 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/315 .Repeater
- 2 370/321 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/315 .Repeater  
     370/316 ..Airborne or space satellite repeater  
     370/319 ...Multiple access (e.g., FDMA)  
     370/321 ....Time division (TDMA)
- 2 370/322 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/315 .Repeater  
     370/316 ..Airborne or space satellite repeater  
     370/319 ...Multiple access (e.g., FDMA)  
     370/321 ....Time division (TDMA)  
     370/322 .....Channel reservation scheme
- 2 370/336 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/328 .Having a plurality of contiguous regions  
             served by respective fixed stations  
     370/329 ..Channel assignment  
     370/336 ...Combining or distributing information via  
             time channels
- 2 370/345 (0 OR, 2 XR)  
     Class 370 : MULTIPLEX COMMUNICATIONS  
     370/310 COMMUNICATION OVER FREE SPACE  
     370/345 .Combining or distributing information via tim  
     e  
             channels
- 2 370/346 (0 OR, 2 XR)

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Class 370 : MULTIPLEX COMMUNICATIONS

370/310 COMMUNICATION OVER FREE SPACE

370/345 .Combining or distributing information via tim

e

channels

370/346 ..Polling

2 370/352 (1 OR, 1 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/351 PATHFINDING OR ROUTING

370/352 .Combined circuit switching and packet switching

2 370/390 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/351 PATHFINDING OR ROUTING

370/389 .Switching a message which includes an address header

370/390 ..Replicate messages for multiple destination distribution

2 370/402 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/351 PATHFINDING OR ROUTING

370/389 .Switching a message which includes an address header

370/400 ..Having a plurality of nodes performing distributed switching

370/401 ...Bridge or gateway between networks

370/402 ....Bridge between bus systems

2 370/409 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/351 PATHFINDING OR ROUTING

370/389 .Switching a message which includes an address header

370/400 ..Having a plurality of nodes performing distributed switching

370/409 ...Employing logical addressing for routing (e.g., VP or VC)

2 370/410 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/351 PATHFINDING OR ROUTING

370/389 .Switching a message which includes an address header

370/400 ..Having a plurality of nodes performing distributed switching

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- 370/410                   ...Having a signaling feature
  
- 2   370/412           (0 OR, 2 XR)
  - Class   370 : MULTIPLEX COMMUNICATIONS
  - 370/351       PATHFINDING OR ROUTING
  - 370/389       .Switching a message which includes an address header
  - 370/412       ..Queuing arrangement
  
- 2   370/431           (0 OR, 2 XR)
  - Class   370 : MULTIPLEX COMMUNICATIONS
  - 370/431       CHANNEL ASSIGNMENT TECHNIQUES
  
- 2   370/449           (2 OR, 0 XR)
  - Class   370 : MULTIPLEX COMMUNICATIONS
  - 370/431       CHANNEL ASSIGNMENT TECHNIQUES
  - 370/449       .Polling
  
- 2   370/465           (0 OR, 2 XR)
  - Class   370 : MULTIPLEX COMMUNICATIONS
  - 370/464       COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
  - 370/465       .Adaptive
  
- 2   370/466           (0 OR, 2 XR)
  - Class   370 : MULTIPLEX COMMUNICATIONS
  - 370/464       COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
  - 370/465       .Adaptive
  - 370/466       ..Converting between protocols
  
- 2   370/469           (0 OR, 2 XR)
  - Class   370 : MULTIPLEX COMMUNICATIONS
  - 370/464       COMMUNICATION TECHNIQUES FOR INFORMATION CARRIED IN PLURAL CHANNELS
  - 370/465       .Adaptive
  - 370/469       ..Processing multiple layer protocols
  
- 2   370/486           (0 OR, 2 XR)
  - Class   370 : MULTIPLEX COMMUNICATIONS
  - 370/473       ..Transmission of a single message having multiple packets
  - 370/480       ..Combining or distributing information via frequency channels
  - 370/485       ..Subscriber carrier
  - 370/486       ...Program distribution
  
- 2   370/503           (0 OR, 2 XR)

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Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
           multiple packets
370/498 ..Combining or distributing information via tim
e
           channels
370/503 ..Synchronizing

2 370/519 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/473 ..Transmission of a single message having
           multiple packets
370/498 ..Combining or distributing information via tim
e
           channels
370/503 ..Synchronizing
370/516 ...Adjusting for phase or jitter
370/517 ....Including delay device
370/519 .....Delay based upon propagation delay time

2 370/913 (0 OR, 2 XR)
Class 370 : MULTIPLEX COMMUNICATIONS
370/912 PACKET COMMUNICATIONS
370/913 ..Wireless or radio

2 375/132 (1 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/130 SPREAD SPECTRUM
375/132 ..Frequency hopping

2 375/136 (1 OR, 1 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/130 SPREAD SPECTRUM
375/132 ..Frequency hopping
375/136 ..Receiver

2 375/147 (0 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/130 SPREAD SPECTRUM
375/140 ..Direct sequence
375/147 ..Receiver

2 375/148 (0 OR, 2 XR)
Class 375 : PULSE OR DIGITAL COMMUNICATIONS
375/130 SPREAD SPECTRUM
375/140 ..Direct sequence
375/147 ..Receiver
375/148 ...Multi-receiver or interference cancellation

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- 2 375/150 (0 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/130 SPREAD SPECTRUM
  - 375/140 .Direct sequence
  - 375/147 ..Receiver
  - 375/150 ...Correlation-type receiver
  
- 2 375/220 (0 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/219 TRANSCEIVERS
  - 375/220 .Transmission interface between two stations o
- r
  - terminals
  
- 2 375/257 (0 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/257 CABLE SYSTEMS AND COMPONENTS
  
- 2 375/259 (0 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT
  
- 2 375/260 (2 OR, 0 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/259 SYSTEMS USING ALTERNATING OR PULSATING CURRENT
  - 375/260 .Plural channels for transmission of a single pulse train
  
- 2 375/296 (1 OR, 1 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/295 TRANSMITTERS
  - 375/296 .Antinoise or distortion (includes predistortion)
  
- 2 375/298 (0 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/295 TRANSMITTERS
  - 375/298 .Quadrature amplitude modulation
  
- 2 375/299 (0 OR, 2 XR)
  - Class 375 : PULSE OR DIGITAL COMMUNICATIONS
  - 375/295 TRANSMITTERS
  - 375/299 .Plural diversity



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2 375/354 (1 OR, 1 XR)  
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
 375/354 SYNCHRONIZERS

2 375/356 (0 OR, 2 XR)  
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
 375/354 SYNCHRONIZERS  
 375/356 .Network synchronizing more than two stations

2 375/377 (0 OR, 2 XR)  
 Class 375 : PULSE OR DIGITAL COMMUNICATIONS  
 375/377 MISCELLANEOUS

2 379/457 (0 OR, 2 XR)  
 Class 379 : TELEPHONIC COMMUNICATIONS  
 379/457 MISCELLANEOUS

2 379/90.01 (2 OR, 0 XR)  
 Class 379 : TELEPHONIC COMMUNICATIONS  
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE  
 ELECTRICAL SYSTEM OR SIGNALLING (E.G., COMP

OSITE)

2 379/93.28 (0 OR, 2 XR)  
 Class 379 : TELEPHONIC COMMUNICATIONS  
 379/90.01 TELEPHONE LINE OR SYSTEM COMBINED WITH DIVERSE  
 ELECTRICAL SYSTEM OR SIGNALLING (E.G., C

OMPOSITE)

379/93.01 .Having transmission of a digital message  
 signal over a telephone line  
 379/93.26 ..By voice frequency signal (e.g., tone code)  
 379/93.28 ...Modulated audio tone

2 380/247 (1 OR, 1 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/247 CELLULAR TELEPHONE CRYPTOGRAPHIC AUTHENTICATIO

N

2 380/248 (0 OR, 2 XR)  
 Class 380 : CRYPTOGRAPHY  
 380/247 CELLULAR TELEPHONE CRYPTOGRAPHIC AUTHENTICATIO

N

380/248 .Visiting center

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- 2 380/273 (2 OR, 0 XR)
  - Class 380 : CRYPTOGRAPHY
  - 380/255 COMMUNICATION SYSTEM USING CRYPTOGRAPHY
  - 380/270 .Wireless communication
  - 380/273 ..Rekeying system
- 2 380/278 (0 OR, 2 XR)
  - Class 380 : CRYPTOGRAPHY
  - 380/277 KEY MANAGEMENT
  - 380/278 .Key distribution
- 2 455/116 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/91 TRANSMITTER
  - 455/116 .Carrier amplitude control (e.g., voice operated on/off)
- 2 455/13.1 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E., RETRANSMISSION OF SAME INFORMATION)
  - 455/11.1 .Portable or mobile repeater
  - 455/12.1 ..Space satellite
  - 455/13.1 ...With plural repeater or relay systems
- 2 455/133 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/130 RECEIVER OR ANALOG MODULATED SIGNAL FREQUENCY CONVERTER
  - 455/132 .Plural receivers
  - 455/133 ..With output selecting
- 2 455/22 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/7 CARRIER WAVE REPEATER OR RELAY SYSTEM (I.E., RETRANSMISSION OF SAME INFORMATION)
  - 455/20 .With frequency conversion
  - 455/22 ..Plural conversion stages
- 2 455/3.01 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/3.01 WIRELESS DISTRIBUTION SYSTEM
- 2 455/410 (1 OR, 1 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/410 .Security or fraud prevention

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- 2 455/412.1 (1 OR, 1 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/412.1 .Message storage or retrieval
- 2 455/428 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/427 ..Space satellite
  - 455/428 ...Switching or routing
- 2 455/447 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/446 ..Including cell planning or layout
  - 455/447 ...Frequency reuse scheme
- 2 455/449 (1 OR, 1 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/446 ..Including cell planning or layout
  - 455/449 ...Hierarchical cell structure
- 2 455/456.5 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/403 RADIOTELEPHONE SYSTEM
  - 455/422.1 .Zoned or cellular telephone system
  - 455/456.1 ..Location monitoring
  - 455/456.5 ...At system equipment (i.e., base station)
- 2 455/506 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
  - 455/500 .Plural transmitters or receivers (i.e., more than two stations)
  - 455/501 ..Noise, distortion, or singing reduction
  - 455/504 ...Fading compensation
  - 455/506 ....Rayleigh or multipath fading
- 2 455/507 (0 OR, 2 XR)
  - Class 455 : TELECOMMUNICATIONS
  - 455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS
  - 455/500 .Plural transmitters or receivers (i.e., more

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than two stations)

455/507           ..Central station (e.g., master, etc.)

2   455/550.1       (0 OR, 2 XR)  
       Class   455 :   TELECOMMUNICATIONS  
       455/73        TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
   TRANSCEIVER)  
       455/550.1     .Radiotelephone equipment detail

2   455/555        (1 OR, 1 XR)  
       Class   455 :   TELECOMMUNICATIONS  
       455/73        TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
   TRANSCEIVER)  
       455/550.1     .Radiotelephone equipment detail  
       455/555        ..Wireless private branch exchange (PBX) (i.e.  
   wireless link to extension unit)

2   455/564        (0 OR, 2 XR)  
       Class   455 :   TELECOMMUNICATIONS  
       455/73        TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
   TRANSCEIVER)  
       455/550.1     .Radiotelephone equipment detail  
       455/564        ..Auto-dialing or repertory dialing (e.g.,  
   using bar code, etc.)

2   455/566        (1 OR, 1 XR)  
       Class   455 :   TELECOMMUNICATIONS  
       455/73        TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
   TRANSCEIVER)  
       455/550.1     .Radiotelephone equipment detail  
       455/566        ..Having display

2   455/572        (0 OR, 2 XR)  
       Class   455 :   TELECOMMUNICATIONS  
       455/73        TRANSMITTER AND RECEIVER AT SAME STATION (E.G.  
   TRANSCEIVER)  
       455/550.1     .Radiotelephone equipment detail  
       455/572        ..Power supply

2   455/575.1       (2 OR, 0 XR)  
       Class   455 :   TELECOMMUNICATIONS  
       455/73        TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

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## TRANSCEIVER)

455/550.1 .Radiotelephone equipment detail

455/575.1 ..Housing or support

2 455/67.14 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11 .Having measuring, testing, or monitoring of  
system or part

455/67.14 ..Using a test signal

2 455/67.16 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/39 TRANSMITTER AND RECEIVER AT SEPARATE STATIONS

455/67.11 .Having measuring, testing, or monitoring of  
system or part

455/67.16 ..Phase measuring (e.g., group delay,  
propagation effect, etc.)

2 455/77 (0 OR, 2 XR)

Class 455 : TELECOMMUNICATIONS

455/73 TRANSMITTER AND RECEIVER AT SAME STATION (E.G.

## TRANSCEIVER)

455/77 .With tuning

2 702/179 (0 OR, 2 XR)

Class 702 : DATA PROCESSING: MEASURING, CALIBRATING, OR  
TESTING

702/127 MEASUREMENT SYSTEM

702/179 .Statistical measurement

2 705/26 (0 OR, 2 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
PRACTICE OR MANAGEMENT ARRANGEMENT

705/26 .Electronic shopping (e.g., remote ordering)

2 705/413 (0 OR, 2 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/400 FOR COST/PRICE

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705/413 .Fluid

2 707/10 (1 OR, 1 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/1 DATABASE OR FILE ACCESSING

707/10 .Distributed or remote access

2 707/9 (0 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/1 DATABASE OR FILE ACCESSING

707/9 .Privileged access

2 709/223 (0 OR, 2 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/223 .Computer network managing

2 709/227 (1 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/227 .Computer-to-computer session/connection  
establishing

2 709/228 (1 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/227 .Computer-to-computer session/connection  
establishing

709/228 ..Session/connection parameter setting

2 709/236 (1 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/230 .Computer-to-computer protocol implementing

709/236 ..Computer-to-computer data framing

2 709/239 (0 OR, 2 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING

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SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING  
709/238 .Computer-to-computer data routing  
709/239 ..Alternate path routing

2 709/249 (1 OR, 1 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING  
709/249 .Multiple network interconnecting

2 714/749 (0 OR, 2 XR)

Class 714 : ERROR DETECTION/CORRECTION AND FAULT  
DETECTION/RECOVERY

714/699 PULSE OR DATA ERROR HANDLING  
714/746 .Digital data error correction  
714/748 ..Request for retransmission  
714/749 ...Retransmission if no ACK returned

	Type	Ref #	Hits	Search Text
1	BRS	S1	49	("5068890" "5210788" "5999094" "6002918" "6405049" "6711409" "4825221" "5623531" "5661802" "6073003" "6167278" "6233465" "5219386" "5303287" "5553101" "5600707" "5630224" "5761193" "5765113" "5790536" "5809067" "5825759" "5952966" "5956073" "6026119" "6028849" "6031845" "6047579" "6122516" "6154638" "6192257" "6212380" "6212380" "6229800" "6243389" "6301470" "6367516" "6390151" "6510210" "6553020" "6781975" "6243870" "5258867" "5933420" "6005884" "6208629" "5490139" "5515509" "5528622" "5533026") .pn.
2	BRS	S2	39511	"370"/\$.ccls.
3	BRS	S3	46211	"455"/\$.ccls.
4	BRS	S4	79973	S2 or S3
5	BRS	S7	2	S5 and (BLUETOOTH PROTOCOL) AND "802.11"
6	BRS	S6	3	S5 and housing and connector
7	BRS	S8	8	S5 AND (LAMP SOCKET) AND (LIGHT FIXTURE)
8	BRS	S9	6	S8 AND (POWER SUPPLY) AND LIGHT AND SOCKET
9	BRS	S10	6	S5 AND LIGHT AND SOCKET
10	BRS	S5	24	S4 and (access adj points)and master and slave and (light fixture)



	Type	L #	Hits	Search Text	DBs
1	BRS	L1	129179	(first ACCESS POINTS) AND (SECOND ACCESS POINTS) AND (LAMP SOCKET) AND (LIGHT FIXTURE)	USPAT
2	BRS	L2	1157	1 AND (POWER SUPPLY) AND MASTER AND SLAVE	USPAT
3	BRS	L3	6	2 AND CONNECTOR AND (ACCESS ADJ POINTS) AND (WIRELESS DATA COMMUNICATION DEVICE)	USPAT
4	BRS	L4	6	3 AND (HOUSING CONNECTOR)	USPAT
5	BRS	L5	10732	1 AND HOUSING AND (HOUSING CONNECTOR) AND CONNECTOR	USPAT
6	BRS	L6	6548	5 AND (LAMP SOCKET) AND (LIGHT FIXTURE) AND SOCKET	USPAT
7	BRS	L7	14	6 AND (POWER ADJ SUPPLY) AND (ACCESS ADJ POINTS) AND LIGHT	USPAT
8	BRS	L8	7	7 AND (WIRELESS DATA COMMUNICATION DEVICE) AND (BLUETOOTH PROTOCOL)	USPAT

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Most Frequently Occurring Classifications of Patents Returned  
From A Search of 10758504 on November 12, 2004

Original Classifications

11	370/335
9	370/338
6	370/252
6	370/331
6	370/342
5	342/457
5	370/329
5	370/332
5	370/347
4	370/312
4	370/349
4	375/222
3	370/311
3	370/330
3	375/133
3	375/134
3	455/422.1
3	455/426.1
3	455/432.2
3	455/434
3	455/436
3	455/450
3	455/574
3	455/69
2	340/310.01
2	340/870.03
2	342/357.1
2	370/278
2	370/280
2	370/310
2	370/315
2	370/320
2	370/328
2	370/337
2	370/441
2	370/445
2	370/449
2	370/468
2	375/130
2	375/260
2	375/297
2	379/90.01
2	380/273

2 455/103  
 2 455/411  
 2 455/432.1  
 2 455/442  
 2 455/445  
 2 455/446  
 2 455/452.1  
 2 455/462  
 2 455/517  
 2 455/575.1  
 2 455/62

Cross-Reference Classifications

22 370/338  
 13 370/335  
 13 370/342  
 11 370/337  
 8 455/522  
 7 370/347  
 7 455/422.1  
 7 455/426.1  
 7 455/436  
 7 455/450  
 7 455/524  
 6 370/343  
 6 455/517  
 5 342/463  
 5 370/349  
 5 370/397  
 5 375/141  
 5 455/343.4  
 5 455/432.1  
 5 455/434  
 5 455/63.1  
 5 455/67.11  
 5 455/67.13  
 5 455/69  
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 4 370/331  
 4 370/350  
 4 370/401  
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 4 455/276.1

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4 455/446  
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4 455/560  
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4 455/562.1  
3 340/7.38  
3 340/825.49  
3 340/870.03  
3 370/280  
3 370/314  
3 370/330  
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3 455/574  
3 455/62  
3 455/70  
2 141/94  
2 141/98  
2 340/310.02  
2 340/310.06  
2 340/310.08  
2 340/505  
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2 340/7.32  
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2 340/7.63

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2 340/825.52  
2 340/825.69  
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2 340/870.02  
2 340/870.11  
2 342/464  
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2 375/257  
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2 375/298  
2 375/299  
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2 375/377  
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2 379/457  
2 379/93.28  
2 380/248  
2 380/278  
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2 455/133  
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2 455/278.1  
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2 455/67.14  
2 455/67.16  
2 455/77  
2 702/179  
2 705/26  
2 705/413  
2 707/9  
2 709/223  
2 709/239  
2 713/194  
2 714/749

Combined Classifications

31 370/338  
24 370/335  
19 370/342  
13 370/337  
12 370/347  
10 370/252  
10 370/331  
10 455/422.1  
10 455/426.1  
10 455/436

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8 455/434  
8 455/517  
8 455/69  
7 370/311  
7 455/432.1  
7 455/524  
6 342/463  
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2 455/67.16  
2 455/77  
2 702/179  
2 705/26  
2 705/413  
2 707/10  
2 707/9

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2 709/223  
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2 709/249  
2 714/749

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PLUS Search Results for S/N 10758504, Searched November 12, 2004

The Patent Linguistics Utility System (PLUS) is a USPTO automated search system for U.S. Patents from 1971 to the present. PLUS is a query-by-example search system which produces a list of patents that are most closely related linguistically to the application searched. This search was prepared by the staff of the Scientific and Technical Information Center, SIRA.

5068890	5623495	6259898	6812891	5363447	5721735
5210788	5630224	6301470	6813501	5371734	5726646
5999094	5664007	6326918	4984291	5379185	5727160
6002918	5717689	6326926	5278892	5386435	5732077
6405049	5737328	6327570	5513379	5398258	5737326
5623531	5745867	6366584	6128328	5412658	5740165
5661802	5745884	6366771	5195090	5412721	5745480
6073003	5748619	6367516	5305308	5428668	5758090
6167278	5757783	6370380	5426641	5437057	5758294
6711409	5761193	6370475	5459759	5457748	5768685
6243870	5765113	6377793	5657343	5459727	5781538
5258867	5787111	6390151	5668828	5461558	5784360
5553101	5787077	6393261	5677909	5471187	5790074
5790536	5809067	6400702	5748687	5475677	5790817
5815811	5825759	6414635	5842037	5481259	5790676
6005884	5835061	6421731	5859838	5493287	5799010
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5303287	5890156	6453159	5912919	5515364	5812951
5515509	5907542	6469991	5912963	5515378	5812643
5542101	5920820	6477156	5987338	5526402	5818845
5546397	5952966	6484029	6006069	5528626	5818826
5600707	5956073	6505045	6005856	5533025	5828655
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5946617	5969678	6526506	6072784	5535259	5838720
5994998	5987062	6535493	6101174	5535242	5842010
6124824	6006090	6553020	6112056	5537414	5842113
6140911	6026119	6577609	6272190	5546467	5841768
6154638	6028849	6580700	4553086	5553316	5854984
6195045	6031845	6587680	4979183	5560021	5854595
6219553	6049533	6590884	4992787	5579535	5859852
6219553	6047579	6594253	5177768	5581597	5862475
6246697	6057779	6600734	5212808	5586121	5864316
6463295	6084867	6618005	5241542	5596570	5878038
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4825221	6122516	6674403	5249227	5625882	5884196
5176442	6122759	6675203	5258995	5630204	5887259
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5929781	6154461	6697018	5265150	5636220	5892397
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5933420	6201962	6711148	5278992	5640385	5903554
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5528622	6229800	6772331	5357513	5706014	5914958
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5564055	6243389	6788658	5361397	5710804	5930682
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5592541	6259405	6810018	5363376	5715526	5946322